

Adam J. Weber

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RELEVANT COURSE WORK & EXPERIENCE

- Advanced Programming Techniques – C++
- Algorithmic Design – Java
- Business Application Programming – COBOL
- Computer Networks – Java/Linux/F
- Computer Security – Java/C++
- Computer Hardware Foundations
- Data Structures & Algorithms – C++
- Database System Design
- Discrete Math for Computer Science
- Machine Learning Systems - Python
- Operating Systems – C++
- Statistical Methods 1 & 2 – R
- Technical Writing
- Unix/Linux Fundamentals – Bash
- Python
- React Framework
- Django Framework

WORK EXPERIENCE

Jacobs – Software Developer, Part Time - Cyber and Intelligence Missions – Columbia, SC

Summer/Fall 2021

- Worked on the HACCS program which utilized machine learning for botnet detection
- Gained experience with Python and Machine Learning
- Researched and implemented data compression techniques
- Implemented data compression/decompression to minimize amount of storage application used
- Worked towards, and completed the HACCS machine learning challenge
- Participated in final intern presentations

Jacobs – Intern, Cyber and Intelligence Missions – Columbia, SC

Summer/Fall 2020

- Tasked with creating a web application to replace a current system with updated needs
- Collaborated in daily online meetings to maintain communication in a virtual work environment
- Used Adobe XD to create a mock-up of web application and all included features
- Researched on Node JS and HTML/CSS languages for best practice development of web app
- Developed a platform application, including a multi-user log with authentication
- Utilized Mongo Database to store user information with created database tables

KeyW Corporation – Intern, Defense Mission Sector - Hanover, MD

Summer 2019

- Focus on development of a dataflow monitoring system for Apache NiFi
- Participated in daily stand-up meetings and bi-weekly meetings with Project Leads
- Conducted research and gained experience with Amazon Web Services (AWS)
- Researched and used API calls to get status information from NiFi processors
- Developed a dashboard on Kibana for visual dataflow monitoring
- Successfully utilized Slack to send error messages for created monitoring system
- Participated in final IR&D presentation

KeyW Corporation – Intern, Defense Mission Sector - Hanover, MD

Summer 2018

- Gained experience with Docker and ElasticSearch to monitor network data in the form of PCAP files
- Worked with Data Visualization tools (Kibana and Jupyter) to display data graphically
- Conducted research and gained experience with Data Processing tools, specifically Apache software

ADDITIONAL EXPERIENCE

Capstone Project - Tidewater Boats - Columbia, SC

January 2021 – May 2021

- Collaborated on a team of 4 to develop a web app for a recreational boat manufacturer
- Gained experience with Python and the Django Framework
- Developed a QR code system that allows boats to be tracked and updated with current step in production
- Developed a customer dashboard that allows users to view where their boat is in its production phase

Capstone Project – React Native App - Columbia, SC

August 2021 – December 2021

- Worked individually to develop a react native app from scratch
- Gained experience with the React JS framework and HTML/CSS
- Implemented backend database utilizing firebase for authentication and data storage
- Developed a chat feature within the app for users to talk with one another
- Implemented GoogleMaps API for users to visually see events nearby
- Implemented CRUD database functionality to store user data and update as needed

TopGolf – Ashburn, VA

August 2015 – October 2016

- Gained experience with customer service and sharpened my communication skills
- Promoted to Shift Lead and gained experience in a leadership role

EDUCATION

University of South Carolina; Columbia, SC

Bachelor of Science in Computer Information Systems & Minor in Business Information Management ; December 2021

AWARDS & RECOGNITION

- Boy Scouts of America – Eagle Scout, April 2017
- University of South Carolina – Deans List, Fall 2020, Spring 2021, Fall 2021
- University of South Carolina – Codeathon, Top 5 out of 200+ students
- Varsity Letterman, Broad Run High School Baseball

SKILLS

- **Technical Skills:** Java, Javascript, C++, HTML/CSS, Python, Bash, R, COBOL, Data Analysis and Visualization Tools, Databases, AWS
- **Soft Skills:** Problem Solving, Communication, Teamwork, Flexibility, Multitasking, Adaptability, Conflict Resolution, Planning and Organizing, Time management, Attention to Detail